

Week	Date	Branches and topic
1-3	27-Aug to 14-Sep	Orientation: Essential agreement Develop your Math Binder Number: Directed numbers Why negative? Inquiry into different types of number Concepts of directed number (size, magnitude and opposites) Directed number and the number line Using number line to add and subtract Decimal currency Adding and subtracting negatives Multiplying and dividing directed numbers Mixed operations and solving problems of directed numbers Using your calculator (New Trend Ch 1, H&H MYP 1 Ch 13, Mathletic workbook) # Assessment 1 (A C): 14/9
4-5	17-Sep to 28-Sep	Algebra, Pattern and sequence Algebraic Expression Number machine Substituting into formulae Geometric patterns Using patterns Practical problems Investigate different number sequences (New Trend Ch 2, H&H MYP 2 Ch 5) # Assessment 2 (B D): 28/9 due
6-8	1-Oct to 16-Oct	Coordinate Geometry Ordered pairs Rectangular Coordinate system (draw and plot points) Distant between two points (straight line only) Areas of polygon *Polar coordinate system *Transformations on a rectangular coordinate plane Real life application of using coordinate geometry (Treasure Map) # Assessment 3 (A C): 16/10
9	22-Oct to 26-Oct	Chung Yeung Festival and Mid Term Break
10-14	29-Oct to 30-Nov	Equation in one unknown Simply algebraic expression (expansion and factorization) Equations Maintaining balance Inverse operations Building and undoing expressions Solving equations Equations with a repeated unknown (New Trend Ch 4, H&H MYP 2 Ch 10 and 13) Catch up and Review
15	3-Dec to 7-Dec	Summative Assessment Week # Assessment 4 (A C): 3-7/12
16-21	10-Dec to 15-Jan	# Assessment 5 (C): 10/12 (Folder organization, ibook) Linear Equation in two unknowns Linear equations in two unknowns Graphs of linear equations in two unknowns Points on the graphs of linear equations in two unknowns Form equations and solve problems of linear equations in two unknowns # Assessment 6 (A C): 15/1

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21-24	16-Jan to 5-Feb	Parallel lines and Angles, and triangle proofs Points and lines Measuring and classifying angles and triangles Angle properties and angles of a triangle Geometric construction Angle pairs Parallel lines Angles of isosceles triangles Properties of polygons and quadrilaterals Angles of a quadrilateral Interior angles of polygons *Deductive geometry (triangle proofs) (H&H MYP2 Ch 2 and 14) # Assessment 7 (A B C): 5/2
25	11-Feb to 15-Feb	Lunar New Year Holiday (7/2-15/2)
26-29	18-Feb to 15 Mar	Area and scale Length, perimeter and area Areas of polygons and composite shapes Ratio Writing ratios as fractions Equal ratios Proportions Using ratios to divide quantities Scale diagrams Gradient of slope (H&H MYP2 Ch 9 and 12) # Assessment 8 (A C): 15/3
30-34	18-Mar to 19 Apr	Statistical graphs Types of data Data collection Categorical and grouping of data Histograms Scatter diagrams Choosing appropriate statistical graphs The mean, median and mode Trend line (New Trend Ch 10 and H&H MYP2 Ch 20) # Assessment 9 (C D): 19/4 Due
35	22-Apr to 26-Apr	Project Week
36-40	29-Apr to 31-May	Ratios and Rates Ratios and Rates Comparing prices Using rates Average speed Density Converting rates *Golden ratio (H&H MYP 2 Ch 22) # Assessment 10 (A C D): 24/5 Due Review for SAW
41	3-Jun to 7-Jun	Summative Assessment Week # Assessment 11 (A C): 7/6
42-43	10-Jun to 21-Jun	# Assessment 12 (C): 10/6 (Folder organization, ibook) Logic Why aren't people logical? Board games If, then...and, or...
44	24-Jun to 28-Jun	IDU WEEK (20-25 Jun)